**WHAT IS CLAIMED IS:**

1      1.     In a multi-user FWA (fixed wireless access) communication

2    system in which a plurality of subscriber stations are operable to

3    communicate by way of radio links with network infrastructure to

4    which a correspondent node is coupled, an improvement of apparatus

5    for a selected subscriber station of the plurality of subscriber

6    stations at which a call of selected call-type is selectably

7    originated, said apparatus comprising:

8         a call establishment message generator coupled to receive an

9    indication of initiation at the selected subscriber station of

10   origination of the call, said call establishment message generator

11   for generating a call establishment message for communication to

12   the network infrastructure to initiate call set-up procedures

13   precursing a request to establish the call between the selected

14   subscriber station and the correspondent node;

15        a response detector coupled to receive an indication of a

16   network-infrastructure generated response to the call establishment

17   message generated by said call establishment message generator,

18   said response detector for detecting whether the response to the

19   call establishment message indicates communication resources to be

20   available to establish the call; and

21          a call set-up emulator coupled to said response detector,

22    said call set-up emulator operable to emulate at the selected

23    subscriber station normal call set-up operations thereat at least

24    for a selected period responsive to detection by said response

25    detector of unavailability of the communication resources to

26    establish the priority call.


2.    The apparatus of claim 1 wherein said call set-up

emulator comprises a dial-tone generator, said dial-tone generator

for generating an audio dial-tone at the selected subscriber

station responsive to detection by said response detector of the

unavailability of the communication resources.


3.    The apparatus of claim 2 wherein said subscriber station

comprises a telephonic station having an actuation keypad

actuatable by a user to enter dialing digits associated with the

correspondent node and wherein generation of the audio dial-tone by

said dial-tone generator is terminated upon commencement of entry

of the dialing digits.

1      4.    The apparatus of claim 3 further comprising a dialing-

2   digit signal generator coupled to receive indications of entry of

3   the dialing digits at the actuation keypad said dialing-digit

4   signal generator for generating a dialing-digit indication signal

5   for communication to the network infrastructure pursuant to the

6   request to establish the call between the subscriber station and

7   the correspondent node.

 

1      5.    The apparatus of claim 1 wherein the correspondent node

2   comprises an assistance center having a dialing code formed of

3   dialing digits associated with the assistance center, wherein the

4   call of the selected call-type comprises a priority call, and

5   wherein the dialing-digit signal generated by said dialing-digit

6   signal generator is of values corresponding to the dialing code

7   associated with the assistance center when the user actuates the

8   actuation keypad to cause entry of the dialing digits forming the

9   dialing code associated with the assistance center.

1    6.    The apparatus of claim   wherein the assistance center

2  comprises an emergency dispatch center having a pseudo-universal

3  dialing code associated therewith, wherein the priority call

4  comprises an emergency call, and wherein the dialing-digit signal

5  generated by said dialing-digit signal generator is of values

6  corresponding to the pseudo-universal dialing code associated with

7  the emergency dispatch center when the user actuates the actuation

8  keypad to cause entry of the dialing digits forming the pseudo-

9  universal dialing code.


1    7.    In the multi-user FWA communication system of claim 1, a

2  further improvement of apparatus for the network infrastructure,

3  said apparatus comprising;

4       a call establishment message detector coupled to receive

5  indications of receipt at the network infrastructure of the call

6  establishment message; and

7       a response generator coupled to said call establishment

8  message detector, said response generator for generating the

9  response to the call establishment message.

1      8.   The   apparatus   of   claim   7   further   comprising   a

2   communication  resource  availability  determiner  operable  responsive

3   to  detection  of  the  call  establishment  message  by  said  call

4   establishment   message   detector,   said   communication   resource

5   availability   determiner   for   determining   whether   communication

6   resources  are  available  to  establish  the  call.


1      9.   The   apparatus   of   claim   8   wherein   the   network

2   infrastructure  is  coupled  to  the  correspondent  node  by  way  of  a

3   network   backbone,   and   wherein   said   communication   resource

4   availability   determiner   determines   both   whether   communication

5   resources  are  available  upon  the  network  backbone  to  establish  the

6   call  and  whether  communication  resources  are  available  upon  the

7   radio  links  to  establish  the  call.


1      10.   The  apparatus  of  claim  8  wherein  the  subscriber  station

2   further  sends  a  dialing  digit  indication  signal  to  the  network

3   infrastructure   and   wherein   said   apparatus   for   the   network

4   infrastructure   further   comprises   a   dialing   digit   indication

5   detector  coupled  to  receive  indications  of  receipt  at  the  network

6   infrastructure  of  the  dialing  digit  indication  signal.


- 42 -

1        11.   The apparatus for the network infrastructure of claim 10

2   further comprising a resource reallocator coupled to said dialing

3   digit indication detector and to said resource availability

4   determiner, said resource reallocator selectably operable to

5   reallocate communication resources in the multi-user FWA

6   communication system responsive to selected values contained in the

7   dialing digit indication signal detected by said dialing digit

8   indication detector.


1        12.   The apparatus of claim 11 wherein the correspondent node

2   comprises an emergency dispatch center having a pseudo-universal

3   dialing code associated therewith, wherein the dialing digit

4   indication signal to which said dialing digit indication detector

5   is coupled to receive indications thereof is of values

6   corresponding to the pseudo-universal dialing code and wherein said

7   resource reallocator reallocates the communication resources to

8   provide communication resources to establish a call between the

9   subscriber station and the emergency dispatch center.

1      13.  The apparatus of claim 12 wherein the communication

2   resources of the FWA communication system are utilized pursuant to

3   a plurality of communication resources with a plurality of

4   subscriber stations and wherein reallocation made by said resource

5   reallocator include termination of selected communication

6   resources, thereby to reallocate resources to establish the call

7   between the subscriber station and the emergency dispatch center.


1      14.  The apparatus of claim 13 wherein the communication

2   sessions have priority levels associated therewith and wherein

3   selection of termination selected communication sessions is made

4   responsive to the priority levels associated with the communication

5   sessions.